PART B - FEE(S) TRANSMITTAL

Complete ead send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

06/13/2008

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. maintenance fee notifications

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

JAMES J MURPHY 5400 RENAISSANCE TOWER 1201 ELM STREET DALLAS, TX 752702199



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2835, on the date indicated below.

 (Depositor's name)
 (Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/890,643	07/09/1997	IAN MICHAEL HOLLAND	AT9-97-206	4971
TITLE OF INVENTION: S	MULATION OF MEMORY	Y-MAPPED I/O	·	·

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1440 \$0 \$0 99/15/2008 AWONDAF2 00000014 09049915/208890643 **EXAMINER** ART UNIT CLASS-SUBCLASS 01 FC:1501 1440.00 DA ZHEN, LI B 2194 719-332000

 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 	2. For printing on the patent front page, list
Change of correspondence address (or Change of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
Address form F10/3B/122) strached.	(2) the name of a single firm (having as a member a 2 Winstead, P.C.
Tree Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON	THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee recordation as set forth in 37 CFR 3.11. Completion of this form is NO	data will appear on the patent. If an assignee is identified below, the document has been filed for a substitute for filing an assignment.
(A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY and STATE OR COUNTRY)
International Business Machines Corporation	Armonk, New York 10504
Please check the appropriate assignee category or categories (will not be pr	rinted on the patent): 🔲 Individual 🖸 Corporation or other private group entity 🚨 Government
4a. The following fee(s) are submitted:	b. Payment of Fec(s): (Please first reapply any previously paid issue fee shown above)
✓ Issue Fee	A check is enclosed.
Publication Fee (No small entity discount permitted)	Payment by credit card. Form PTO-2038 is attached.
Advance Order - # of Copies	The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 09-0447 (IBM) (enclose an extra copy of this form).
5. Change in Entity Status (from status indicated above)	
a. Applicant claims SMALL ENTITY status. See 37 CFR 1/2/1.	b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).
NOTE: The Issue Fee and Publication Fee (if Jequined) will not be accepted interest as shown by the records of the United States Playert and Trademark	d from anyone other than the applicant; a registered attorney or agent; or the assignee or other party is Office.
Authorized Signature	_{Date} July 25, 2008
Typed or printed name Report A. Voigt, Jr.	Registration No. 47, 159

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEB and PUBLICATION FEB (if required). Blocks 1 through 5 should be completed where

indicated unless corrected in maintenance fee notification	below or directed others.	erwise in Block 1, by (a) specifying a new co	respondence address	; and/or (b) indicating a ser	at correspondence address as parate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fec(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
JAMES J MURPHY 5400 RENAISSANCE TOWER 1201 ELM STREET DALLAS, TX 752702199			Eug	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. (Depositor's name)			
		AMEN	A TEAR PROPERTY.			(Signature) (Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR .	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
08/890,643 TITLE OF INVENTION: SI	07/09/1997		AN MICHAEL HOLL	ND	AT9-97-206	4971	
		MORT-MAPPED DO					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	E FEE TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	МО	\$1440	\$0	-02	\$1440	09/15/2008	
EXAMINE	<u>.</u>	ART UNIT	CLASS-SUBCLASS		,		
ZHEN, LI		2194	719-332000				
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 3. Fee Address form PTO/SB/122) attached. 4. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 5. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agent attorney attorney attorney attorney attorney attorney attorney attorney atto							
3. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGNI International Busines Please check the appropriate	an assignee is identif 137 CFR 3.11. Compl EE ss Machines Corpo	ied below, no assignee etion of this form is NO pration	data will appear on the T a substitute for filing: (B) RESIDENCE: (CI Armonk, New	patent. If an assign in assignment. TY and STATE OR (York 10504	COUNTRY)	document has been filed for	
4a. The following fee(s) are submitted: Issue Fee Advance Order - # of Copies The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number One of the shown above)							
5. Change in Entity Status a. Applicant claims SN	MALL ENTITY status	. See 37, CFR 1/27.	☐ b. Applicant is no l	onger claiming SMA	LL ENTITY status. See 37 C	FR.1.27(a)(2)	
NOTE: The Issue Fee and Printerest as shown by the reco	ublication Fee (if jequi ords of the United State	ned) will not be accepted a Platent and Trademark	from anyone other that Office.	the applicant; a regi	stered attorney or agent; or ti	he assignee or other party in	
Authorized Signature	111	W''			25, 2008	· ·	
. There or brusted transc —	Rebert A. Voigt,			Registration N	lo47, 159		
This collection of informatio an application. Confidentiali submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virgi Alexandria, Virginia 22313- Under the Paperwork Reduct							